**Cell Structure & Function Quiz Study Guide** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_\_

Part 1: Label the 3 Cells below, including the **type of cell** and the **organelles**. Know the **function** of the organelles.

**Cell A**:



1. This is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell.
2. Prokaryotic or eukaryotic?
3. Identify these structures and give their function: (omit #11)
	1. Mitochondria
	2. Smooth ER
	3. Rough ER
	4. Lysosome
	5. Centriole
	6. Golgi apparatus
	7. Cytosol
	8. Ribosome
	9. Cell (plasma) membrane
	10. Nucleus
	11. Chromosomes/Chromatin (DNA)
	12. Nucleolus
	13. Cilia (\*not all cells have these)

**Cell 2:**



1. This is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell.
2. Prokaryotic or eukaryotic?
3. Identify these structures and give their function:

\**Structure #1 is a capsule. It is OUTSIDE of the wall.*

Structures:

2-

3-

7-

9-

10-

**Cell 3:**



1.This is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell.

2.Prokaryotic or eukaryotic?

3.Identify these structures and give their functions:

*\*Although ribosomes are not clearly shown, they are there! Also, note the labeled Plasmodesmata. What does it do?*

A (B, C, D)-

E-

G-

I-

L-

N-

K-

J-

**Part II- Cell/Plasma Membrane**



Label and know function of:

A (A1 & A2)-

C & F-

D-

E-

G-

***Make sure you also go over the Power Point. This review sheet is not all inclusive.***